

Form PTO-1449 (Modified)

U.S. Department of Commerce  
Patent and Trademark Office

Attorney Docket No.

30203/37263

Serial No.

09/905,736

Applicant

Frick et al.

Filing Date

07/13/01

Group

INFORMATION DISCLOSURE  
STATEMENT

## U.S. PATENT DOCUMENTS

*Examiner Initials	Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
MA	A1	3,514,183	05/26/70	Rabedeau		
	A2	3,947,630	03/30/76	Javan		
	A3	4,013,000	03/22/77	Kogelnik		
	A4	4,111,524	09/05/78	Tomlinson, III		
	A5	4,115,747	09/19/78	Sato et al.		
	A6	4,165,155	08/21/79	Gordon, II et al.		
	A7	4,257,016	03/17/81	Kramer, Jr. et al.		
	A8	4,303,302	12/01/81	Ramsey et al.		
	A9	4,356,730	11/02/82	Cade		
	A10	4,387,955	06/14/83	Ludman et al.		
	A11	4,498,730	02/12/85	Tanaka et al.		
	A12	4,571,024	02/18/86	Husbands		
	A13	4,626,066	12/02/86	Levinson		
	A14	4,657,339	04/14/87	Fick		
	A15	4,662,746	05/05/87	Hornbeck		
	A16	4,674,828	06/23/87	Takahashi et al.		
	A17	4,705,349	11/10/87	Reedy		
	A18	4,710,732	12/01/87	Hornbeck		
	A19	4,715,680	12/29/87	Kawaguchi et al.		
	A20	4,718,056	01/05/88	Schultheiss		
	A21	4,755,415	07/05/88	Iijima et al.		
	A22	4,764,889	08/16/88	Hinton et al.		
	A23	4,815,827	03/28/89	Lane		
	A24	4,867,532	09/19/89	Stanley		
	A25	4,904,039	02/27/90	Soref		
	A26	5,024,500	06/18/91	Stanley et al.		

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L. A. Butaylo

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MA	A27	5,029,981	07/09/91	Thompson			
	A28	5,036,042	07/30/91	Hed			
	A29	5,040,864	08/20/91	Hong			
	A30	5,063,418	11/05/91	Shurtz, II et al.			
	A31	5,083,857	01/28/92	Hornbeck			
	A32	5,107,359	04/21/92	Ohuchida			
	A33	5,133,027	07/21/92	Funazaki et al.			
	A34	5,153,770	10/06/92	Harris			
	A35	5,155,617	10/13/92	Solgaard et al.			
	A36	5,155,778	10/13/92	Magel et al.			
	A37	5,157,756	10/20/92	Nishimoto			
	A38	5,221,987	06/22/93	Laughlin			
	A39	5,231,304	07/27/93	Solomon			
	A40	5,255,332	10/19/93	Welch et al.			
	A41	5,262,000	11/16/93	Welbourn et al.			
	A42	5,278,925	01/11/94	Boysel et al.			
	A43	5,291,566	03/01/94	Harris			
	A44	5,311,360	05/10/94	Bloom et al.			
	A45	5,377,288	12/27/94	Kashyap et al.			
	A46	5,455,709	10/03/95	Dula, III et al.			
	A47	5,491,762	02/13/96	Deacon et al.			
	A48	5,500,910	03/19/96	Boudreau et al.			
	A49	5,532,855	07/02/96	Kato et al.			
	A50	5,537,617	07/16/96	Zavislan et al.			
	A51	5,661,592	08/26/97	Bornstein et al.			

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*W. A. Antares*

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*Examiner Initials		Document Number	Issue Date	Name	Class	Subclass	Filing Date If Appropriate
MA	A52	5,661,593	08/26/97	Engle			
	A53	5,682,255	10/28/97	Friesem et al.			
	A54	5,748,811	05/05/98	Amersfoort et al.			
	A55	5,770,855	06/23/98	Fischer			
	A56	5,771,320	06/23/98	Stone			
	A57	5,771,321	06/23/98	Stern			
	A58	5,786,925	07/28/98	Goossen et al.			
	A59	5,875,271	02/23/99	Laughlin			
	A60	5,960,133	09/28/99	Tomlinson			
	A61	5,966,223	10/12/99	Friesem et al.			
	A62	6,072,923	06/06/00	Stone			
	A63	6,093,941	07/25/00	Russell et al.			
	A64	6,169,613 B1	01/02/01	Amitai et al.			

## FOREIGN PATENT DOCUMENTS

*Examiner Initials		Document Number	Publication Date	Country	Class	Subclass	Translation	
							Yes	No
MA	B1	0137851	24/04/85	EPO				
	B2	0277779	10/08/88	EPO				
	B3	0279679	11/11/92	EPO				
	B4	57-35828	26/02/82	JP			Abstract only	
	B5	57-173814	26/10/82	JP			Abstract only	
	B6	57-173819	26/10/82	JP			Abstract only	
	B7	57-173820	26/10/82	JP			Abstract only	
	B8	59-147322	23/08/84	JP			Abstract only	
	B9	59-176731	06/10/84	JP			Abstract only	
	B10	59-185311	20/10/84	JP			Abstract only	

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							Yes	No
MA	B11	59-214020	03/12/84	JP			Abstract only	
	B12	60-22120	04/02/85	JP			Abstract only	
	B13	60-97319	31/05/85	JP			Abstract only	
	B14	60-134219	17/07/85	JP			Abstract only	
	B15	60-190038	27/09/85	JP			Abstract only	
	B16	61-121042	09/06/86	JP			Abstract only	
	B17	61-231522	15/10/86	JP			Abstract only	
	B18	62-49336	04/03/87	JP			Abstract only	
	B19	62-69247	30/03/87	JP			Abstract only	
	B20	4-30130	03/02/92	JP			Abstract only	
	B21	4-287028	12/10/92	JP			Abstract only	
	B22	5-93924	16/04/93	JP			Abstract only	
	B23	5-142587	11/06/93	JP			Abstract only	
	B24	6-95173	08/04/94	JP			Abstract only	
	B25	8-234246	13/09/96	JP			Abstract only	
	B26	10-206910	07/08/98	JP			Abstract only	
	B27	2000-105321	11/04/00	JP			Abstract only	
	B28	2000-221553	11/08/00	JP			Abstract only	
	B29	WO 00/02098	13/01/00	PCT				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)**

MA	C1	Chan, "Compact Disc Pickup Designs" July 18, 2000
	C2	Jahns, et al. "Planar Integration of Free-Space Optical Components," <i>Applied Optics</i> 28(9):1602-1605 (1989)
	C3	Krygowski et al. "Development of a Compact Optical-MEMS Scanner with Integrated VCSEL Light Source and Diffractive Optics," <i>SPIE</i> 3878:20-28 (1999)
	C4	Krygowski et al. "Integrated Microsystems" <i>Proc. Of SPIE</i> 3878:20-28 (1999)
	C5	Wendt, et al. "Fabrication of diffractive optical elements for an integrated compact optical microelectromechanical system laser scanner," <i>J. Vac. Sci. Technol.</i> 18(6):3608-3611 (2000)

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